

## Weather Note

## CONTOURED RADAR DISPLAY OF A LINE OF THUNDERSTORMS

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After a very sharp cold front and dust storm passed Norman, Okla., on the afternoon of April 12, 1964, a line of thunderstorms formed and presented an interesting display on the WSR-57 radar scope. Figure 1 shows the line at a range of 100 to 175 n. mi. This display, which is an example of the scope presentation produced by the

log-contour circuit developed by Walter Watts of this Laboratory, indicates three levels of intensity of radar return; a fourth level appears in more severe storms by a signal cancellation to show the strongest cores. The circuit is being evaluated for use at all WSR-57 stations. [Received May 25, 1964]

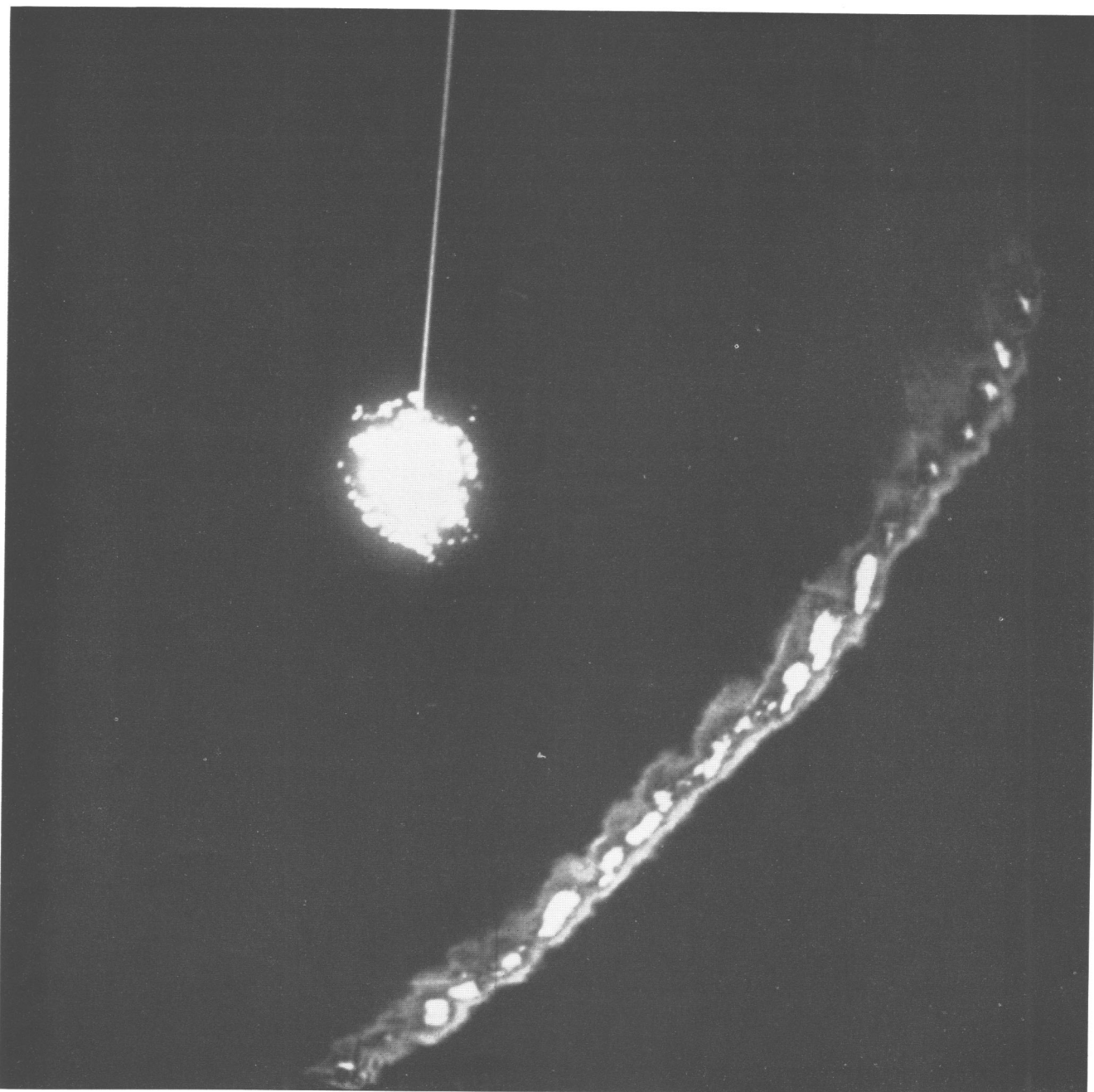


FIGURE 1.—Photograph of scope of WSR-57 radar equipped with a log-contour circuit, NSSL, Norman, Okla., 1918 est, April 12, 1964. (Photo by Charles Clark.)